



# Braukmann EA122

Automatic air vent  
with integral shut-off and leak protection

## APPLICATION

The EA122 automatic vent is a reliable automatic venting device and is suitable for venting of air or gas from heating systems or heat process installations.

## SPECIAL FEATURES

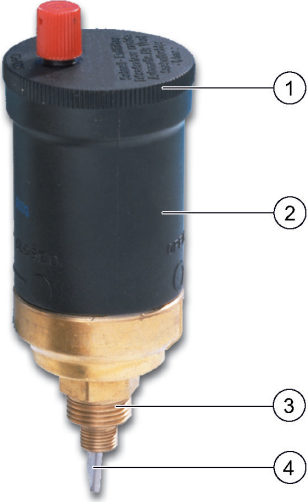
- Integral shut-off facility
- Expanding discs prevent leakage
- Integral vacuum break
- Cleaning and exchange of the seal and inner components can be carried out without draining the system



## TECHNICAL DATA

<b>Media</b>	
Medium:	Water or water-glycol mixture, quality according to VDI 2035 (up to 30 % glycol)
<b>Operating temperatures</b>	
Max. operating temperature medium:	110 °C (230 °F)
<b>Pressure values</b>	
Max. operating pressure:	6 bar (87 psi)
<b>Connections/Sizes</b>	
Connection sizes:	G <sup>1/8</sup> " + G <sup>3/8</sup> " or G <sup>1/4</sup> " + G <sup>3/8</sup> " or G <sup>1/8</sup> " + <sup>3</sup> / <sub>8</sub> " (with adapter for R <sup>1/2</sup> " )
<b>Specifications</b>	
	Hot water heating systems, radiators, wall and ceiling mounted air heaters, air collection vessels, pipe circuits, boilers and air separators.
	Not suitable for mineral oil or liquids with mineral-oil-based additives

## CONSTRUCTION

Overview	Components	Materials
	<b>1</b> Lid	High-grade synthetic material
	<b>2</b> Housing	High-grade synthetic material
	<b>3</b> Connection components	Brass
	<b>4</b> Vacuum break	Stainless steel
<b>Not depicted components:</b>		
	Float	High-grade synthetic material
	Seal cap with expanding discs	-
	Seals	Heat-resistant elastomer

## METHOD OF OPERATION

Inside the automatic air vent there is a floater which operates a lever according to the water level. When there is no water in the housing, then the floater opens the valve. Air can therefore be vented from the heating system during filling. When the heating system has been filled, the inflowing water closes the valve and the vent is shut-off. Water usually contains oxygen which bubbles off during operation of the system and collects at the highest point. The automatic air vent must therefore be fitted at the air collection position (highest point on a boiler or pipework circuit).

The closing force of the float valve is very small and therefore water-borne dirt can prevent the valve fully closing which results in the valve dripping slightly. Expanding discs are built into the valve to prevent this dripping occurring. These discs expand when wet and then shut-off a secondary valve, thereby preventing leakage.

## TRANSPORTATION AND STORAGE

Keep parts in their original packaging and unpack them shortly before use.

The following parameters apply during transportation and storage:

Parameter	Value
Environment:	clean, dry and dust free
Min. ambient temperature:	5 °C
Max. ambient temperature:	90 °C
Min. ambient relative humidity:	25 % *
Max. ambient relative humidity:	85 % *

\*non condensing

## TECHNICAL CHARACTERISTICS

### Venting characteristics

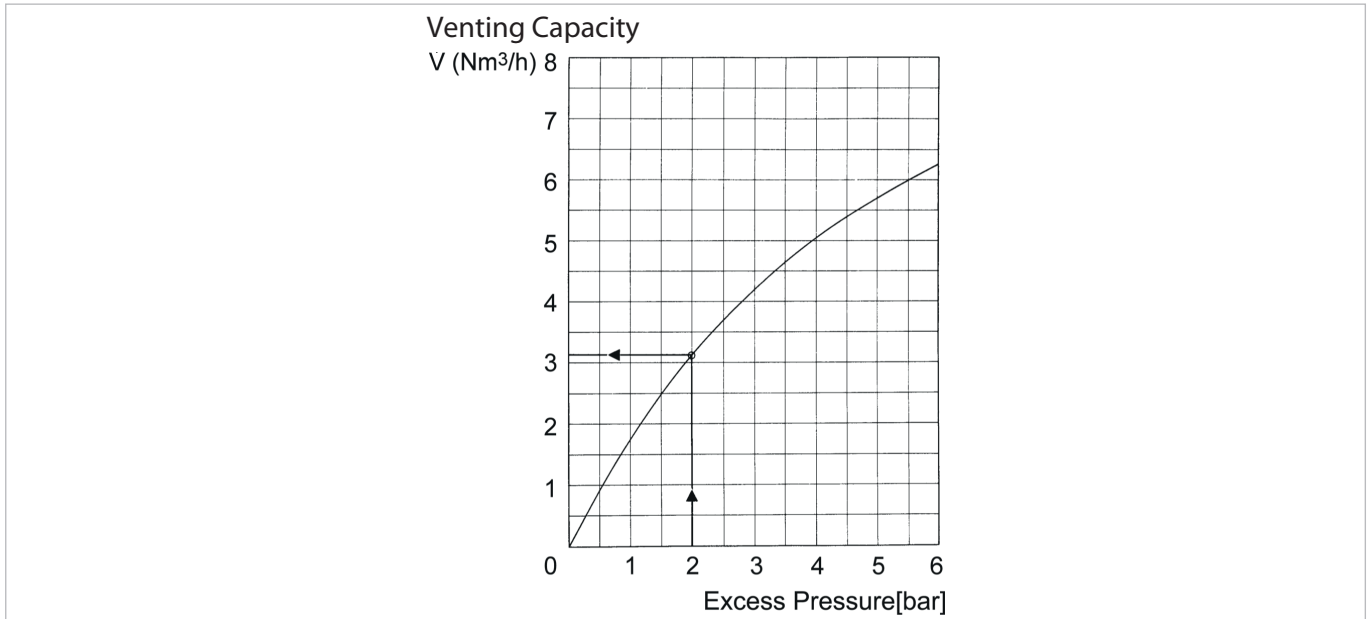
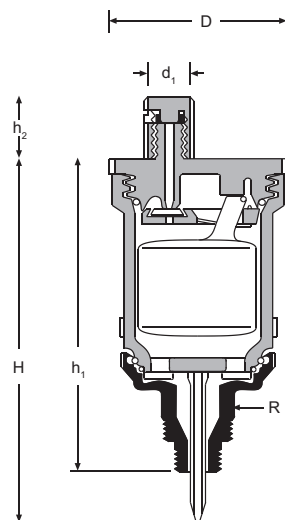


Fig. 1 Venting capacity

## DIMENSIONS

### Overview



Parameter		Values
Connection size:	R	SW19
Dimensions:	H	128
	h <sub>1</sub>	117
	h <sub>2</sub>	12
	D	48
	d <sub>1</sub>	10
Weight:	kg	0.21

Note: All dimensions in mm unless stated otherwise.

## ORDERING INFORMATION

The following tables contain all the information you need to make an order of an item of your choice. When ordering, please always state the type, the ordering or the part number.

### Options

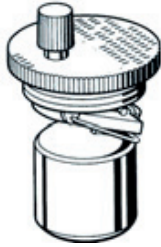
The valve is available in the following sizes: R<sup>1/2</sup>", G<sup>1/8</sup>", G<sup>1/4</sup>".

- standard
- not available

		EA122-AA	EA122-BA	EA122-AB
Connection sizes:	G <sup>1/8</sup> " + <sup>3/8</sup> "	•	–	–
	G <sup>1/4</sup> " + <sup>3/8</sup> "	–	•	–
	G <sup>1/8</sup> " + <sup>3/8</sup> " (with adapter for R <sup>1/2</sup> " )	–	–	•

### Spare Parts

Automatic air vent EA122

Overview	Description	Dimension	Part No.
	<b>1 Lid complete with float</b>		
			0900577
	<b>2 Leak protection discs complete (5 pcs.)</b>		
			0900761



Manufactured for  
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